

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: SHAPER

Report Number: P229165

Luminaire Tested: **340-6B-20-D010 / 340-EU6B-1020-9040-6LBW1LI-CC**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P229165  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1705-068-11)  
Test Lab: INNOVATION CENTER(G1)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: SHAPER  
Catalog Number: 340-6B-20-D010 / 340-EU6B-1020-9040-6LBW1LI-CC  
Description: FARALLON 6" LED GLASS DOWNLIGHT. CYLINDRICAL CLEAR GLASS KIT.  
Light Source: (1) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1277.2 lumens  
Efficiency: N/A  
Efficacy: 61.4 lumens/watt  
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.71  
Luminous Opening: Circular (Dia: 0.46' x H: 0')  
CIE Type: Direct

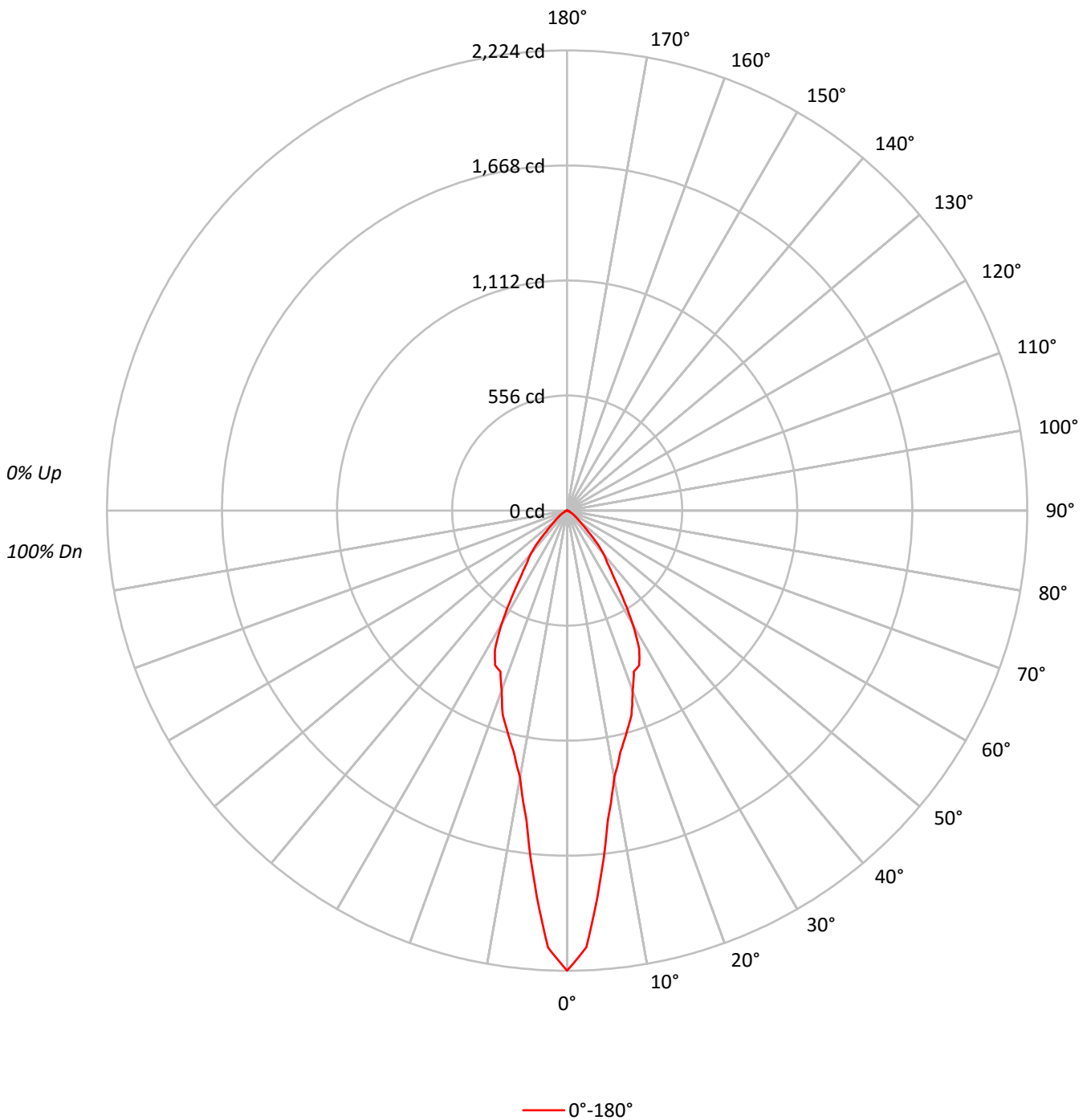
Input Watts (W): 20.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	94	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85
3	101	95	89	85	99	93	88	84	90	86	83	88	85	82	86	83	80	79
4	96	88	82	78	94	87	81	77	85	80	76	83	79	75	81	77	74	73
5	91	82	76	71	89	81	75	71	79	74	70	78	73	70	76	72	69	68
6	86	77	71	66	85	76	70	66	74	69	65	73	68	65	72	68	64	63
7	82	72	66	61	80	71	65	61	70	65	61	69	64	61	68	63	60	59
8	78	68	62	57	76	67	61	57	66	61	57	65	60	57	64	60	56	55
9	74	64	58	54	73	63	58	54	62	57	53	62	57	53	61	56	53	52
10	70	60	54	50	69	60	54	50	59	54	50	58	53	50	58	53	50	49

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	145063
5°	118445
10°	86790
15°	74945
20°	64186
25°	59330
30°	47829
35°	31045
40°	23480
45°	13102
50°	7633
55°	5073
60°	3458
65°	2146
70°	1850
75°	1412
80°	1052
85°	1048



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	156.4	12.2
10°-20°	310.5	24.3
20°-30°	367.1	28.7
30°-40°	256.9	20.1
40°-50°	119.9	9.4
50°-60°	41.6	3.3
60°-70°	15.8	1.2
70°-80°	6.4	0.5
80°-90°	1.5	0.1
90°-100°	1.0	0.1
100°-110°	0.6	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	834.0	65.3
0°-40°	1090.8	85.4
0°-60°	1252.3	98.1
0°-90°	1276.1	99.9
90°-120°	1.5	0.1
90°-150°	1.5	0.1
90°-180°	2.0	0.2
0°-180°	1277.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2224	
5°	1809	156
15°	1110	311
25°	824	367
35°	390	257
45°	142	120
55°	45	42
65°	14	16
75°	6	6
85°	1	1
90°	0	0
95°	0	1
105°	0	1
115°	0	0
125°	0	0
135°	0	0
145°	0	0
155°	0	0
165°	0	0
175°	0	0
180°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2223.5
2.5°	2113.5
5°	1808.6
7.5°	1507.8
10°	1310.1
12.5°	1193.2
15°	1109.6
17.5°	1034.5
20°	924.5
22.5°	842.3
25°	824.2
27.5°	754.6
30°	634.9
32.5°	499.8
35°	389.8
37.5°	318.8
40°	275.7
42.5°	214.4
45°	142.0
47.5°	98.9
50°	75.2
52.5°	57.1
55°	44.6
57.5°	34.8
60°	26.5
62.5°	19.5
65°	13.9
67.5°	12.5
70°	9.7
72.5°	8.4
75°	5.6
77.5°	4.2
80°	2.8
82.5°	1.4
85°	1.4
87.5°	1.4
90°	0.0
92.5°	0.0
95°	0.0
97.5°	1.4
100°	1.4
102.5°	1.4
105°	0.0
107.5°	0.0
110°	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	0.0
115°	0.0
117.5°	0.0
120°	0.0
122.5°	0.0
125°	0.0
127.5°	0.0
130°	0.0
132.5°	0.0
135°	0.0
137.5°	0.0
140°	0.0
142.5°	0.0
145°	0.0
147.5°	0.0
150°	0.0
152.5°	0.0
155°	0.0
157.5°	0.0
160°	0.0
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)